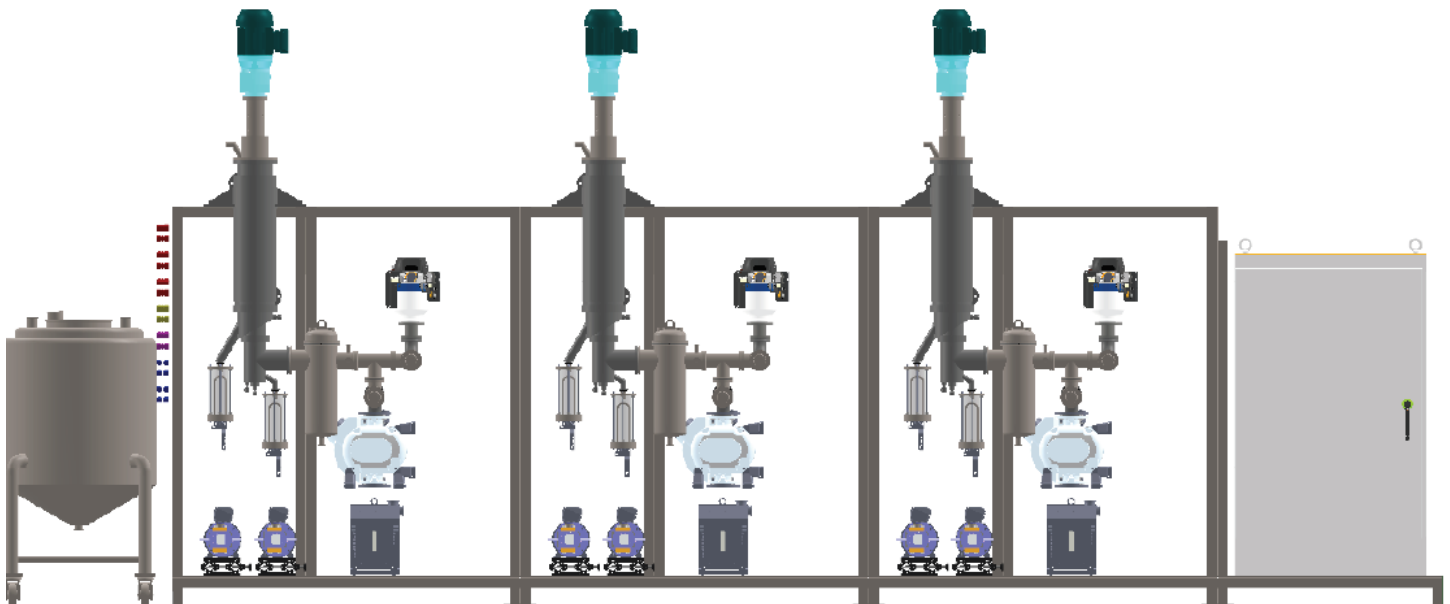




Three Stage KD-30 Short Path Distillation Unit



General Information

Evaporator Type: Short path
Evaporator Construction: 316 Stainless Steel
Evaporator Surface Area: 0.30 m²
Feed Metering System: Gear Pumps

Unit Dimensions:

425" L x 54" W x 112" H

General Operating Characteristics

Evaporator Temperature Range: Amb to 300 C
Cold Trap: -50 C
Ultimate Vacuum: 0.001 Torr
Flow Rate: ~20 L/hr.

Electrical Specifications:

460V Phase Up to 247 Amps (Based on Configuration)

Utilities

Exhaust for Vacuum Pump Recommended

Circulator Fluids Needed

Marlotherm SH for Hot Oil Circulator
Ethelene Glycol for Condenser Circulators
Julabo Thermal C2 for Cold Trap

*May differ based on circulators supplied

*Specification may vary based on configuration



NRTL Listings

Description	NRTL Body
Hot Oil Circulator	PSQ
Chiller Circulator	PSQ
Gear Motor ¼ Hp	UL, CSA
TEFC Motor ½ Hp	cCSA _{US} , UR
Vacuum Pump	c ^{RU} _{US} , cUL
Turbo Molecular Pump	UL
Vacuum Sensor	cETL _{us}
Electrical Control Enclosure	UL

Handling Requirements

Frame is on Stainless Steel Feet

Unit Weight: 8100 lbs

Requires a Forklift for Unloading of Truck

Installation and Training

10 days Onsite Installation and Training Included

Optional Upgrades:

Dry Ice / Liquid Nitrogen Insert for Cold Trap
 PLC System for data logging and minor automation

